| Inde | ex of | Claim | S |
|------|-------|-------|---|
|      |       |       |   |

| Application/Control No. | Applicant(s)/Patent under Reexamination |
|-------------------------|---|
| 10/646,858              | LOWEN ET AL.                            |
| Examiner                | Art Unit                                |
| Jennifer Horwat         | 3768                                    |

| √ | Rejected |
|---|----------|
| = | Allowed  |

|   | ·                              |
|---|--------------------------------|
| _ | (Through numeral)<br>Cancelled |
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| - | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

|          |                            | <u> </u> |               |            |          |              | J  |          | _        | l        |
|----------|----------------------------|----------|---------------|------------|----------|--------------|--|----------|----------|----------|
|          |                            |          |               |            |          |              |  |          |          |          |
| Cla      | im                         | Date     |               |            |          |              |  |          |          |          |
| Final    | Original                   | 43/02    |               |            |          |              |  |          |          |          |
|          | 1                          |          |               |            |          |              |  |          | Т        |          |
|          | 3                          | Y        | _             | $\vdash$   | $\vdash$ |              | $\vdash$   | $\vdash$ | $\vdash$ | Н        |
| $\vdash$ | 1<br>2<br>3<br>4           | H        | ┢             |            | <u> </u> | $\vdash$     | $\vdash$   | $\vdash$ | ┢        | Н        |
| -        | 3                          | Н        | -             | -          | $\vdash$ | ⊢            | -  | -        | -        | Н        |
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|          | 5<br>6                     | Н-       |               | <u> </u>   | ├-       | ├—           | ├  | <u> </u> | <u> </u> | Н        |
| <u> </u> | 9                          | Н        | _             | _          | <u> </u> |              | ⊢  | _        | _        | Н        |
| <u> </u> | 7                          | Ш        | _             | _          |          | <u> </u>     | ╙  | <u> </u> | <u> </u> |          |
| <u> </u> | 8                          | 1        | _             | <u> </u>   | <u> </u> | <u> </u>     | ┡  | _        | _        | Ш        |
| L        | 9                          | Ш        |               |            |          | L.           | _  | L        |          | Ш        |
| L        | 10                         |          |               | lacksquare |          | ᆫ            | ᆫ  |          |          | Ш        |
| L        | 11                         |          |               |            |          | 匚            | <u> </u>   | L        | L_       |          |
|          | 12                         |          |               |            |          |              | <u> </u>   |          |          |          |
| L        | 13<br>14<br>15             |          | <u> </u>      | _          |          | <u> </u>     | L  | <u> </u> | <u> </u> | Ш        |
|          | 14                         | L        |               |            | L        |              |  |          | L        |          |
|          | 15                         |          |               |            |          |              |  | L        | L        |          |
|          | 16<br>17                   |          |               |            |          |              |  |          |          |          |
|          | 17                         |          |               |            |          |              |  |          |          | П        |
|          | 18                         |          |               |            |          |              | Г  |          |          | П        |
|          | 19<br>20                   | Т        |               |            |          | Г            |  |          |          |          |
|          | 20                         | П        |               | Г          |          | Г            |  |          |          | П        |
|          | 21                         | $\top$   |               |            |          | T            |  |          |          |          |
|          | 22                         |          |               | Г          | -        |              |  |          |          |          |
|          | 21<br>22<br>23<br>24<br>25 | П        |               | Г          |          | _            |  |          | $\vdash$ | П        |
|          | 24                         |          |               |            |          |              | -  |          |          | П        |
|          | 25                         |          |               |            |          |              |  |          | _        |          |
|          | 26                         | $\vdash$ |               |            | Т        |              | <del>                                     </del> | $\vdash$ | Г        |          |
|          | .27                        | П        |               | _          | _        |              |  |          |          |          |
|          | 28                         | H        |               | _          |          |              | _  |          |          |          |
|          |                            | V        |               |            | $\vdash$ | $\vdash$     | _  |          |          | Н        |
|          | 30                         | Ť        | -             | $\vdash$   |          | _            | $\vdash$   | -        |          | Н        |
| $\vdash$ | 31                         |          |               | _          | _        |              | $\vdash$   | $\vdash$ |          | -        |
| <b></b>  | 32                         | $\vdash$ |               | -          | _        |              | $\vdash$   |          |          | Н        |
| $\vdash$ | 32<br>33                   |          | _             | $\vdash$   | -        | _            | -  | -        | -        | Н        |
| $\vdash$ | 34                         |          | _             | -          |          | -            | -  | _        | _        |          |
| -        | 35                         | $\vdash$ | _             | $\vdash$   | _        | $\vdash$     | $\vdash$   | -        | $\vdash$ | Н        |
| -        | 36                         | -        | _             | $\vdash$   | -        |              | -  | -        | -        | H        |
| $\vdash$ | 37                         | _        | _             | $\vdash$   | _        | $\vdash$     | ┢  | _        | _        | Н        |
| $\vdash$ | 38                         | -        |               |            |          |              |  | -        | -        |          |
|          | 39                         | $\vdash$ | _             | Н          | Н        |              |  | -        | $\vdash$ | $\vdash$ |
|          | 40                         | $\vdash$ | -             |            | Т        | Н            | $\vdash$   | -        | Ι        | H        |
|          | 41                         | $\vdash$ | т             | Н          | -        | $\vdash$     | $\vdash$   | $\vdash$ | $\vdash$ | $\vdash$ |
|          | 42                         |          | -             |            |          |              | <b>-</b>   |          | -        | Н        |
|          | 43                         | $\vdash$ | _             |            |          |              |  |          |          | H        |
|          | 44                         |          |               |            |          |              |  |          |          |          |
|          | 45                         |          |               |            |          |              |  | 1        | 1        |          |
|          | 46                         |          |               |            |          |              |  |          |          | Н        |
|          | 47                         | П        |               | Г          |          | Т            | $\vdash$   | П        | П        | П        |
|          | 48                         |          | $\overline{}$ | $\vdash$   | $\vdash$ | $\vdash$     | $\vdash$   | $\vdash$ | Н        | $\vdash$ |
| $\vdash$ | 49                         | $\vdash$ | $\overline{}$ | $\vdash$   | $\vdash$ | $\vdash$     | $\vdash$   | Т        | Н        | Н        |
| $\vdash$ | 50                         | H        | $\vdash$      | $\vdash$   | $\vdash$ | $\vdash$     | $\vdash$   | Н        |          | Н        |

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|----------|----------|-----|----------|--------------|----------|----------|----------|----------|------------|----------|
| CI       | aim      |     |          |              |          | Date     |          |          |            |          |
| <u> </u> | T        | ⊢   | _        | ·            |          |          | <u> </u> | _        |            |          |
| Final    | Original |     |          |              |          |          |          |          |            |          |
|          | .51      |     | $\vdash$ | <u> </u>     |          |          |          |          |            | Т        |
|          | 52       |     | $\Box$   |              |          |          |          |          |            |          |
|          | 53       |     |          |              |          |          |          |          |            |          |
|          | 54       |     |          |              |          |          |          |          |            |          |
|          | 55       |     |          | _            |          |          |          |          |            |          |
|          | 56       |     |          |              |          |          |          |          | L          | L        |
|          | 57       |     |          | _            |          |          |          | _        | L          | <u> </u> |
|          | 58       |     |          | _            | L        |          |          | <u> </u> | <u> </u>   | <u> </u> |
|          | 59       |     | _        | _            | <u> </u> | _        | _        |          | <u> </u>   | L        |
|          | 60<br>61 | _   |          | _            | -        |          |          | <u> </u> | ⊢          | ⊢        |
|          | 62       |     |          | -            | $\vdash$ | $\vdash$ | _        | ⊢        | ⊢          | ⊢        |
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| -        | 64       | _   |          | -            | $\vdash$ | $\vdash$ | $\vdash$ | -        | ├-         | ┝        |
|          | 65       | -   |          | -            | -        |          |          | $\vdash$ | ┝          | H        |
|          | 66       | -   | -        | _            | _        |          |          | $\vdash$ | 一          | H        |
|          | 67       |     |          | <u> </u>     |          |          |          |          | $\vdash$   | $\vdash$ |
|          | 68       |     |          | Г            |          |          |          |          | $\vdash$   |          |
|          | 69       |     |          |              |          |          |          |          |            |          |
|          | 70       |     |          |              |          |          |          |          |            |          |
|          | 71       |     |          |              |          |          |          |          |            |          |
| <u></u>  | 72       |     | L.       |              |          |          |          |          |            |          |
|          | 73<br>74 |     | _        | <u> </u>     |          |          |          | _        | <u> </u>   | L        |
|          | 74       |     |          |              |          |          |          | L.       | <u> </u>   | ļ.,      |
|          | 75       | -   | _        | -            | -        | L        | _        | _        | <u> </u> - | L        |
| -        | 76<br>77 |     | -        | ┝            | $\vdash$ |          |          | -        | -          | -        |
| -        | 78       |     |          | ┢            | H        |          |          |          | H          | ┝        |
| $\vdash$ | 79       | -   | _        | $\vdash$     |          |          | _        | _        | -          | $\vdash$ |
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|          | 81       |     |          | $\vdash$     |          |          |          |          |            |          |
|          | 82       |     |          |              |          |          |          |          |            | Г        |
|          | 83       |     |          |              |          |          |          |          |            |          |
|          | 84       |     |          |              |          |          |          |          |            |          |
| <u></u>  | 85       |     |          |              |          |          |          |          |            | L        |
|          | 86       |     |          | <u> </u>     |          |          |          |          |            |          |
|          | 87       |     |          | <u> </u>     | _        |          |          |          |            | _        |
| <u> </u> | 88<br>89 | _   | _        | ┝            | _        | _        | -        | _        | _          | _        |
| -        | 90       | _   | _        | ┝            | $\vdash$ | -        | -        |          | _          | H        |
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|          | 94       |     |          |              |          |          |          |          |            |          |
|          | 95       | (T) | (lyr     |              |          |          | 10       |          | 7          |          |
|          | 96       |     |          |              |          |          |          |          |            |          |
| L        | 97       |     |          |              |          |          |          |          |            |          |
|          | 98       | _   | _        | <u> </u>     | <u> </u> | _        | _        | _        | _          | <u> </u> |
| <u></u>  | 99       | _   | _        | <u> </u>     | <u> </u> | <u> </u> | _        | _        | <u> </u>   | <u> </u> |

|       |   | 7  |          |          |          |  |          |          |          |          |
|-------|---|--|----------|----------|----------|--|----------|----------|----------|----------|
| CI    | aim   |  |          |          | [        | Date   | 9        | _        |          | $\dashv$ |
| Final | Original                                      |  |          |          |          |  | :        |          |          |          |
|       | 101<br>102                                    |  |          |          |          |  |          |          |          |          |
|       | 102   |  |          | _        |          |  |          | _        | _        | Ш        |
|       | 103   | _  | Ш        |          | <u> </u> |  | <u> </u> | <u> </u> |          | Н        |
|       | 104   | <u> </u>   | <u> </u> | <u> </u> | ļ        | _  | _        | <u> </u> | ļ        | Н        |
|       | 105<br>106                                    | -  | _        | _        | -        | _  | H        | -        | _        | H        |
|       | 107   | -  | -        | -        | <u> </u> |  | -        |          | _        | Н        |
|       | 108   |  |          |          |          |  |          | H        | _        | Н        |
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|       | 110   | ┢  |          |          |          | <u> </u>   | -        | -        | $\vdash$ | Н        |
|       | 111   | T  |          |          | $\vdash$ | <del>                                     </del> | Т        | $\Box$   |          |          |
|       | 112   |  |          |          |          |  |          |          |          |          |
|       | 113   |  |          |          |          |  |          |          |          |          |
|       | 114   |  |          |          |          | $\Box$   | $\Box$   |          |          | Ш        |
|       | 115   | <u> </u>   |          | <u> </u> | L        | <u> </u>   | _        | L        | _        | Ш        |
|       | 116<br>117                                    | <u> </u>   | _        | _        | _        | _  | _        | _        | <u> </u> | Ш        |
|       | 117   | <b> </b> _                                       | _        | <u> </u> | <u> </u> | _  |          | <u> </u> | <u> </u> | Н        |
|       | 118   | ├-   | -        |          | <u> </u> | <u> </u>   | <u> </u> | <u> </u> | -        | Н        |
|       | 119   | $\vdash$   | H        | H        | ┝        | $\vdash$   | $\vdash$ | $\vdash$ | $\vdash$ | $\vdash$ |
|       | 121   | ├-   | -        | -        | ŀ        | -  | ┝        | ├        | -        | $\vdash$ |
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|       | 123   | $\vdash$   | $\vdash$ | Н        | -        | <del> </del>                                     | ├─       | -        | $\vdash$ | Н        |
|       | 119<br>120<br>121<br>122<br>123<br>124<br>125 | $\vdash$   |          | $\vdash$ |          | <del>                                     </del> | $\vdash$ | -        | $\vdash$ |          |
|       | 125   | $\vdash$   |          |          |          | $\vdash$   | _        | _        |          |          |
|       | 126   |  |          |          |          |  |          |          |          | П        |
|       | 127<br>128<br>129                             |  |          |          |          |  |          |          |          |          |
|       | 128   |  |          |          |          |  |          |          |          |          |
|       | 129   | <u> </u>   |          |          |          | 匚  |          |          |          |          |
|       | 130<br>131                                    | _  | _        |          |          | _  | L        |          |          | Щ        |
|       | 131   | <u> </u>   |          | _        | _        | <u> </u>   | _        | _        | _        | Щ        |
|       | 132<br>133                                    |  | -        | _        | _        | <del> -</del>                                    | -        | -        | _        |          |
|       | 134   | ├  | -        | -        | -        | <u> </u>   | <u> </u> | -        | -        | $\vdash$ |
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|       | 136   | ┢  |          |          |          | ┢  | Н        | -        | _        | Н        |
|       | 137   | <del>                                     </del> |          |          |          |  |          |          |          | $\vdash$ |
|       | 138   | $\vdash$   |          |          |          |  |          |          |          | П        |
|       | 138<br>139                                    | Π  |          |          |          |  |          |          |          |          |
|       | 140   |  |          |          |          |  |          |          |          |          |
|       | 141   |  |          |          |          |  |          |          |          | Ш        |
|       | 142   | <u> </u>   | _        | _        | L        | _  | _        | <u> </u> | _        | Щ        |
|       | 143   | <u> </u>   | <u> </u> |          | <u> </u> | <u> _</u>  | <u> </u> | <u> </u> | _        | -        |
|       | 144   | -  |          |          | _        | -  | _        | _        | -        | $\vdash$ |
|       | 145<br>146                                    | -  | -        | -        | H        | <del>                                     </del> | <u> </u> |          |          | $\vdash$ |
| -     | 145   | $\vdash$   | H        | H        | $\vdash$ | <del>                                     </del> | $\vdash$ | $\vdash$ | H        | $\vdash$ |
|       | 148   | -  | $\vdash$ | $\vdash$ | $\vdash$ | H  | $\vdash$ | $\vdash$ | <u> </u> | Н        |
|       | 149   | $\vdash$   | $\vdash$ | H        | $\vdash$ | $\vdash$   | _        | $\vdash$ | _        | Н        |
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